

LIST OF PRIOR ART CITED BY
APPLICANT

(PTO-1449)

ATTY. DCK NO.
UMBC-004APPLN. SERIAL NO.
09/928,662APPLICANT(S)
Govind RAOFILING DATE
August 14, 2001GROUP
~~1744~~ 1651

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE

U.S. PATENT APPLICATION PUBLICATIONS

EXAMINER'S INITIALS	*PATENT APPLN. PUB. NO.	*PUB. DATE	*APPLICANT	CLASS	SUBCLASS	FILING DATE

U.S. PATENT APPLICATIONS

EXAMINER'S INITIALS	*APPLN. NO.	*FILING DATE	*INVENTOR	CLASS	SUBCLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No

OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)

	Chang et al., "Steam-Sterilizable, Fluorescence Lifetime-Based Sensing Film for Dissolved Carbon Dioxide", Biotechnol Prog, March-April, 14 (2):326-331 (1998)
	Bylund et al., "Influence of Scale-Up on the Quality of Recombinant Human Growth Hormone", Biotechnol Bioeng, 69:119-128 (2000)
	Kostov et al., "Low-Cost Microbioreactor for High-Throughput Bioprocessing", Biotechnol Bioeng, February 5, 72 (3):346-52 (2001)
	S.B. Bambot et al., "Lifetime-based optical sensing of pH using resonance energy transfer in sol-gel films", Sensors and Actuators B 22 (1994) pages 181-188
	Sipior et al., "A Lifetime-Based Optical CO2 Gas Sensor with Blue or Red Excitation and Stokes or Anti-Stokes Detection", Anal Biochem, May 20, 227 (2):309-18 (1995)
	Gryczynski et al., "Polarization-Based Oxygen Sensor", Analyst, July, 124(7):1041-44 (1999)
	Bambot et al., "Optical Oxygen Sensor Using Fluorescence Lifetime Measurement", Adv Ep Med Biol, 361:197-205 (1994)
	Chae et al., "Framework for Online Optimization of Recombinant Protein Expression in High-Cell-Density Escherichia Coli Cultures using GFP-Fusion Monitoring", Biotechnol Bioeng, August 5, 69 (3):275-85 (2000)
	DeLisa et al., "Monitoring GFP-Operon Fusion Protein Expression during High Cell Density Cultivation of Escherichia Coli using an On-Line Optical Sensor", Biotechnol Bioeng, October 5, 65(1) :54-64 (1999).

EXAMINER

K-C-Song

DATE CONSIDERED

04/23/2003

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						Yes	No

OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)

<i>J</i>	Isabelle Walther et al., "Performance of a miniaturized bioreactor in space flight: microtechnology at the service of space biology", pages 778-783.
<i>J</i>	Gregor Liebsch et al., "Luminescence Lifetime Imaging of Oxygen, pH, and Carbon Dioxide Distribution Using Optical Sensors", Volume 54, pages 548-559.
<i>J</i>	Yordan Kostov et al., "Low-cost device for ratiometric fluorescence measurements", pages 4466-4470.
<i>J</i>	Y. Kostov et al., "Solid State Luminescence Phase-Shift Oxygen Sensor for Biotechnology", pages 201-205.
<i>J</i>	Yordan Kostov et al., "Unique Oxygen Analyzer Combining a Dual Emission Probe and a Low-Cost Solid-State Ratiometric Fluorometer", Volume 54, pages 864-868.
<i>J</i>	Yordan Kostov et al., "All Solid-State GFP Sensor", Biotechnology and Bioengineering, Vol. 70, No. 4, November 20, 2000, pages 473-477.
<i>J</i>	Zhong Xu et al., "A novel fiber-optic pH sensor incorporating carboxy SNAFL-2 and fluorescent wavelength-ratiometric detection", pages 9-15.
<i>J</i>	Lisa Randers-Eichhorn et al., "On-Line Green Fluorescent Protein Sensor with LED Excitation", Biotechnology and Bioengineering, Vol. 55, No. 6, September 20, 1997, pages 921-926.
<i>J</i>	Shabbir B. Bambot et al., "Phase Fluorometric Sterilizable Optical Oxygen Sensor", Biotechnology and Bioengineering, Vol. 43, pages 1139-1145.

EXAMINER

K-C. Sood

DATE CONSIDERED

04/28/2003

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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